

INTERNATIONAL SEARCH REPORT

Internal Application No
PCT/DE2004/002492

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 821D43/05 821D43/10		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 821K B21J B21D B656		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	US 2004/261488 A1 (LAUKE ANDREAS ET AL) 30 December 2004 (2004-12-30) paragraphs '0049! - '0057!; claim 13; figures 8-11	1,5,6
Y	EP 1 161 317 B (MUELLER WEINGARTEN AG) 12 December 2001 (2001-12-12) paragraphs '0020!, '0032!, '0033!; figures 1,5,6	1,4-6
Y	EP 0 435 417 A (KABUSHIKIKAISHA ORII) 3 July 1991 (1991-07-03) claim 1; figures 1,6	1,4-6
A	DE 100 42 991 A1 (MUELLER WEINGARTEN AG) 21 March 2002 (2002-03-21) cited in the application the whole document	1-3
	-/-	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		<input checked="" type="checkbox"/> Patent family members are listed in annex.
<p>* Special categories of cited documents :</p> <p>'A' document defining the general state of the art which is not considered to be of particular relevance</p> <p>'E' earlier document but published on or after the International filing date</p> <p>'L' document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>'O' document referring to an oral disclosure, use, exhibition or other means</p> <p>'P' document published prior to the International filing date but later than the priority date claimed</p> <p>'T' later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>'8' document member of the same patent family</p>		
Date of the actual completion of the international search		Date of mailing of the International search report
22 March 2005		06/04/2005
Name and mailing address of the ISA European Patent Office, P.O. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl Fax: (+31-70) 340-3018		Authorized officer Augé, M

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 693 334 A (MASCHINENFABRIK MUELLER-WEINGARTEN AG; MUELLER WEINGARTEN AG) 24 January 1996 (1996-01-24) column 4, line 45; figures 18,18,31 column 14, lines 21,22; figure 38	1
A	US 1 835 579 A (WESTIN DANIEL B) 8 December 1931 (1931-12-08) page 2, lines 20-116; figures 4,5	1